IN THE CLAIMS:

1.   (Cancelled)

2.   (Currently Amended) The ~~spa~~ system ~~as in Claim 1~~ of claim 21 wherein ~~a first of said command signals received from said~~ the mode button of the remote control ~~is set temperature~~ selects a spa function to be controlled.

3.   (Currently Amended) The spa system ~~as in Claim 1 wherein a first of said status signals received from said master control is water temperature~~ of claim 2 wherein the selected spa function to be performed by the main control is caused to be displayed on the display of the remote control by information sent by the main control.

4.   (Currently Amended) The spa system ~~as in Claim 1 wherein said remote control transmits command signals and receives status signals with the use of radio frequencies~~ of claim 3 wherein the control buttons when activated, send control signals to the main control that are recognized by the main control as control signals for the spa functions being displayed on the display of the remote control.

5.   (Currently Amended) The spa system ~~as in Claim~~ of claim 4 wherein ~~said~~ the remote control ~~includes~~ further comprises an RF transceiver coupled between an output of ~~said~~ the microprocessor and ~~said~~ the first antenna.

6.   (Currently Amended) The spa system ~~as in Claim 1~~ of claim 5 wherein ~~said~~ the plurality of control buttons on the remote control ~~is responsive to a reduced number of~~ comprise two push-buttons.

7.   (Currently Amended) ~~An RF~~ A remote control for ~~controlling an apparatus~~ ~~having~~ communicating with a ~~master~~ main control ~~module~~ disposed for ~~controlling and~~ sensing the status of and controlling a multiplicity of functions of ~~said~~ an apparatus, ~~said master~~ the main control ~~module~~ having a first antenna for sending signals to the remote control and receiving ~~command~~ signals from ~~said remote control and for transmitting status signals back to said~~ the remote control, ~~said~~ the remote control comprising:

~~a.~~ a processor;

a second antenna adapted for sending signals from the processor to the main control and receiving signals from the main control;

~~b.~~ a memory coupled to ~~said~~ the processor;

~~c.   push-buttons coupled to inputs of said processor and disposed for providing input data for transmission to said apparatus;~~

~~d.   a second antenna for transmitting command signals to said apparatus and for receiving status signals back from said apparatus; and,~~

~~e.   a display for showing data indicative of said status signals received from said apparatus.~~

a plurality of control buttons coupled to the processor;

a display connected to the processor;

a mode button coupled to the processor adapted for sending signals to the main control that cause the main control to send signals back to the remote control for displaying certain information on the display, the main control determining the function of the control buttons of the remote control in relation to the information being displayed on the remote control.

8.   (Currently Amended) The remote control ~~as in Claim~~ of claim 7 wherein ~~said remote~~ the plurality of control ~~includes a reduced number of~~ buttons comprise two push-buttons.

9.   (Currently Amended) The remote control ~~as in Claim~~ of claim 7 wherein ~~said~~ the remote control ~~includes~~ further comprises an RF transceiver coupled between an output of ~~said~~ the processor and ~~said first~~ the second antenna.

10.   (Currently Amended) In a remote control, having an alpha-numeric display and a plurality of push-buttons, for ~~an apparatus having~~ communicating with a ~~master~~ main control ~~module~~ disposed for sensing and controlling ~~and sensing~~ a multiplicity of functions of ~~said~~ an apparatus, a method for ~~transmitting command signals to said master control module from said remote control and for receiving status signals back from said master control module, said method~~ communicating with the main control comprising:

     a.   ~~after initialization, turning on a back light in said a display in the remote control;~~

     ~~b.~~ a.   determining if a push-button on ~~said~~ the remote control has been depressed, and if so;

     ~~c.~~ b.   resetting a timer and placing said remote control in transmit mode;

     ~~d.~~ c.   transmitting a data signal to ~~said apparatus~~ the main control indicative of ~~said~~ the depressed push-button;

     ~~e.~~ d.   resetting a timer and placing ~~said~~ the remote control in ~~receive~~ receiving mode; and,

f. e. receiving ~~and displaying said status signal received~~ signals from ~~said master~~ the main control for displaying information, the displayed information determining the function of the push-buttons on the remote control.

11. (Currently Amended) The method ~~as in Claim~~ of claim 10 wherein ~~if~~ it is determined that a push -button has not been depressed, further including the steps of:

a. f. determining if a 15 second timer has expired, and if so;

b. g. turning off ~~the~~ a back light in the display of ~~said~~ the remote control.

12. (Currently Amended) The method ~~as in Claim~~ of claim 10 wherein ~~if~~ no push-button has been depressed for over two minutes, further including the steps of:

a. f. placing ~~said~~ the remote control in a sleep mode;

b. g. determining if a push-button has been depressed, and if not;

c. h. putting ~~said~~ the remote control off line.

13. (Currently Amended) The method ~~as in Claim~~ of claim 10 further including the step of placing ~~said~~ the remote control in a normal receive mode.

14. (Currently Amended) The method ~~as in Claim~~ of claim 13 further including the steps of:

a. f. determining if data is requested, and if so;

b. g. sending a request to ~~said~~ the master control;

c. h. listening for a reply from ~~said~~ the master control, and if valid data is received;

d. i. displaying ~~said~~ the valid data.

15.   (Currently Amended) The method ~~as in Claim~~ of claim 14 further including the step of determining if more than two requests for data have been made, and if so, clearing ~~said~~ the display ~~of said~~ in the remote control.

16.   (Cancelled)

17.   (Currently Amended) A storage medium encoded with machine-readable computer program code for use in a remote control for ~~controlling a spa having~~ communicating with a master control ~~module~~ disposed for ~~controlling~~ sensing and controlling a multiplicity of functions of ~~said~~ a spa, wherein, when the computer program code is executed by ~~said~~ the remote control, the remote control performs a method for transmitting ~~command~~ signals to ~~said master~~ the main ~~control module from said remote~~ control and for receiving ~~status~~ signals back from ~~said master~~ the main control ~~module~~, ~~said~~ the method comprising:

   a.   ~~after initialization, turning on a back light in said a display on the remote control;~~

   ~~b.~~ a.   determining if a push-button on ~~said~~ the remote control has been depressed, and if so;

   ~~c.~~ b.   resetting a timer and placing ~~said~~ the remote control in transmit mode;

   ~~d.~~ c.   transmitting a data signal to ~~said~~ the main control at the spa indicative of ~~setting water temperature thereof~~ the depressed push-button;

   ~~e.~~ d.   resetting a timer and placing ~~said~~ the remote control in receive mode; and

   ~~f.~~ e.   receiving ~~and displaying data representative of water temperature sensed in said spa by said master~~ signals from the main control for displaying information, the displayed information determining the function of push-buttons on the remote control.

18.   (Currently Amended) The medium ~~as in Claim~~ of claim 17 further including the

step of placing ~~said~~ the remote control in a normal receive mode.

19.   (Currently Amended) The medium ~~as in Claim~~ of claim 18 further including the

steps of:

    ~~a.~~ f.   determining if data is requested, and if so;

    ~~b.~~ g.   sending a request to ~~said~~ the master control;

    ~~c.~~ h.   listening for a reply from ~~said~~ the master control, and if valid data is

received;

    ~~d.~~ i.   displaying ~~said~~ the valid data on the display in the remote control.

20.   (Currently Amended) The medium ~~as in Claim~~ of claim 19 further including the

step of determining if more than two requests for data have been made, and if so, clearing ~~said~~

the display of ~~said~~ the remote control.

21.   (New) A spa system including a remote control for controlling operation of a spa,

said system comprising:

    a remote control comprising: a microprocessor; memory connected to the

microprocessor; a mode button connected for communication with the microprocessor; a

plurality of control buttons connected for communication with the microprocessor; a display

connected to the microprocessor; and a first antenna connecting for communication with the

microprocessor and for transmitting signals and receiving signals; and

    a main control at the spa for controlling and sensing a multiplicity of functions of

the spa comprising a second antenna responsive to signals from the first antenna and sending

signals to the first antenna, the main control sending signals to the remote control for displaying

information on the display of the remote control and determining the function of the plurality of

control buttons on the remote control, as required by the information sent to the display of the

remote control.